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June 1964

PHOTOGRAPHIC INTERPRETATION REPORT

OAK - PART II  
MISSION 1006-2  
9-12 JUNE 1964

DECLASS REVIEW by NIMA/DOD



CIA

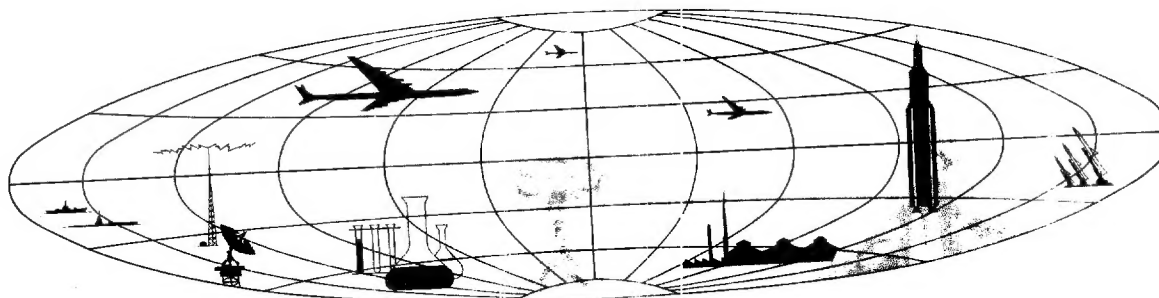


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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



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## OAK-PART II

# MISSION 1006-2

### PREFACE

THIS IS THE SECOND AND LAST DAILY OAK REPORT ON MISSION 1006-2 DEALING WITH THE HIGHEST PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT, COVERING THE OAK REPORTING PERIOD FROM 1500 HOURS 17 JUNE 1964 TO 1700 HOURS, 18 JUNE 1964 PRESENTS INFORMATION ONLY ON THOSE COMOR TARGETS OBSERVED ON THE PHOTOGRAPHY. COMOR TARGETS OBSERVED ON MISSION 1006-2 ARE LISTED IN THE INDEX OF THIS REPORT.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT, AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATION OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). FRAMES ARE INDICATED BY THE LETTERS FR. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA AND THE LETTER A PRECEDING FRAME NUMBERS INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUDS), HC (HEAVY CLOUDS), H (HAZE), CS (CLOUD SHADOW), SD (SEMI DARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY FROM MISSION 1006-2 IS BEING ACCOMPLISHED IN A SHORT TIME AND OFTEN WITHOUT THE AID OF PRECISE ANALYTICAL AND MENSURAL EQUIPMENT COMMONLY EMPLOYED IN DETAILED PHOTOGRAPHIC ANALYSIS. CONSEQUENTLY, ALTHOUGH THE INFORMATION PRESENTED HEREIN IS ESSENTIALLY ACCURATE, FUTURE DETAILED ANALYSIS MAY SOMEWHAT ALTER PORTIONS OF THE INFORMATION.

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## **Highlights**

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HIGHLIGHTS

1. ICBM COMPLEXES

THE FOLLOWING LAUNCH AREAS WERE OBSERVED TO BE COMPLETE ON THIS MISSION -- DROVYANAYA, LAUNCH AREA B, A TYPE IIIA SITE, YOSHKAR-OLA, LAUNCH AREA F, A TYPE IID SITE, AND YURYA, LAUNCH AREA A, A TYPE IIIA SITE. NO NEW LAUNCH AREAS WERE IDENTIFIED.

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2. KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER [REDACTED]

THE TEST CENTER IS OBSERVED ON POOR TO FAIR QUALITY PHOTOGRAPHY AND IS PARTIALLY CLOUD COVERED. MOST OF THE FACILITIES SHOW NO APPARENT CHANGE FROM MISSION [REDACTED] THE 2 NEW LAUNCH POSITIONS OBSERVED NORTH OF LAUNCH AREA 1C ON [REDACTED] ARE STILL UNDER CONSTRUCTION AND ARE NOW BOTH RAIL SERVED. A NEW UNIDENTIFIED AREA IS OBSERVED NORTHWEST OF THE SAM R&D LAUNCH AREA.

25X1D

25X1D

3. SARY-SHAGAN ANTIMISSILE TEST CENTER [REDACTED]

ALL SIGNIFICANT FACILITIES ARE COVERED BY GENERALLY VERY GOOD, ALMOST COMPLETELY CLOUD-FREE PHOTOGRAPHY. EXTENSIVE DEVELOPMENT HAS TAKEN PLACE AT INSTRUMENTATION SITE 13. AT LAUNCH COMPLEX A, ACTIVITY IS OBSERVED AT ALL SITES EXCEPT SITE 6. AN UNIDENTIFIED SWEEP-WING AIRCRAFT IS PARKED CLOSE TO THE NE END OF THE 16,500 FT DIRT STRIP.

25X1A

4. MAKAT FIELD LAUNCH POINT (MRBM) [REDACTED]

THIS PREVIOUSLY REPORTED PROBABLE FIELD LAUNCH POINT IS NOW CONFIRMED.

25X1A

5. SHUANG-CHENG-TZU MISSILE TEST CENTER [REDACTED]

MOST OF THE TEST CENTER IS COVERED BY CLEAR PHOTOGRAPHY. NO SIGNIFICANT CHANGES ARE NOTED AT THE SSM LAUNCH COMPLEXES. THE SAM LAUNCH AREA HAS GUIDANCE RADAR AT BOTH SITES AND THE SECOND PAD AT SITE B HAS BEEN REVETTED SINCE [REDACTED]

25X1A

25X1D

6. BOLSHAYA KAMENKA IRBM LAUNCH SITE (MISSILE BONUS)

THIS HARD IRBM LAUNCH AREA UNDER CONSTRUCTION IS NEWLY IDENTIFIED 2.5 NM WSW OF BOLSHAYA KAMENKA.

7. FIXED FIELD MRBM LAUNCH SITES (MISSILE BONUSES)

FIXED FIELD TYPE MRBM LAUNCH SITES ARE IDENTIFIED 4 NM SOUTH OF PRAVDINSK, 3.5 NM NORTH OF BOGATOYE, 2 NM WEST OF KIVERTSY, AND 4.2 NM ESE OF RUDA-YAVORSKAYA.

25X1A

8. KOMSOMOLSK SHIPYARD AMUR 199 [REDACTED]

[REDACTED] SUBMARINE CONSTRUCTION ACTIVITY AT SHIPYARD IS CONFIRMED. TWO EMPTY TRANSPORTER DOCKS AND ONE E-CLASS SSGN OBSERVED.

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Table 1. Soviet ICBM Deployment

Complex	Launch Area											Total Soft Sites	Total Hard Sites	Total Launch Positions	Last Effective Coverage
	A	B	C	D	E	F	G	H	I	J	K				
Drovyanaya	C	⊙	C	C	⊙	M						3	3	15	
Gladkaya	⊙	C	E	M	E							2	3	13	
Itatka	C	C	C									3	--	6	
Kostroma	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙				6	2	18	
Kozelsk	C	C	E	C	L	L						3	3	15	
Novosibirsk	C	C	M	C	C							3	2	12	
Olovyanaya	⊙	⊙	M									--	3	9	
Omsk	C	E										--	2	6	
Perm	C	C	⊙	⊙	⊙	⊙						5	1	13	
Plesetsk *	C	C	C	C	C							8*	1	15	
Shadrinsk	C	C	M									--	3	9	
Svobodnyy	C	C	C	C	C	C	M	C				7	1	17	
Teykovo	C	C	C	C	C	C	E					7	--	14	
Tyumen	C	M	C	E (poss)								3	1 (poss)	9 (3 poss)	
Verkhnyaya Salda	C	C	C	C	C	C	C	C	C			7	2	20	
Yedrovo	C	C	M	C	C	C	M	M	C			6	3	21	
Yoshkar-Ola	⊙	⊙	⊙	C	L	⊙						6	--	12	
Yurya	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	8	3	25	
Deployment Total												77	33 (1 poss)	249 (3 poss)	
Tyuratam MTC	C	C	C	L	C	C	M	C	M	M	M	13	9 (3 poss)	32 (3 poss)	
Grand Total												90	42 (4 poss)	281 (6 poss)	

\*Includes Launch Points I-IV, complete  
Construction Status (C-complete, L-late, M-mid, E-early)



Sites covered by current mission



Newly identified sites

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Table 2. Soviet MRBM and IRBM Deployment

Geographic Area	Soft MRBM Launch Areas	Soft IRBM Launch Areas	Hard MRBM Launch Areas	Hard IRBM Launch Areas	Total Launch Areas	Total Launch Positions
Western	121	11	18	11	161	633
Caucasus	3	--	2	3	8	29
Central Asia	2	3	1	5	11	39
Far Eastern	11	1	--	2	14	54
Totals	137	15	21	21	194	755

Totals do not include 18 fixed field-type sites with total of 55 clearings and one possible launch facility at Sovetskaya Gavan.

Table 3. SAM and AMM Deployment

					Country									
	USSR	Albania	Bulgaria	Czechoslovakia	Hungary	Poland	Rumania	China	North Korea	Indonesia	Egypt	Cuba	India	Totals
SAM sites														
SA-0	15	--	--	--	--	--	--	--	--	--	--	--	--	15
SA-1	56	--	--	--	--	--	--	--	--	--	--	--	--	56
SA-2	865*	1	18	20	11	22	12	15	2	4	13*	24**	1	1,047
SA-3	88	--	--	--	--	--	--	--	--	--	--	--	--	88
SAM support facilities	178	1	2	4	2	3	3	--	1	--	3	6	--	206
Probable AMM complexes	3	--	--	--	--	--	--	--	--	--	--	--	--	3

\*Does not include 4 alternate sites

\*\*Does not include 22 abandoned sites.

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Table 5. Aircraft Activity

Airfield	Last Coverage	Previous Significant Aircraft Count												Observed this Mission													
		BISON	BEAR	BADGER	BLINDER	BOUNDER	MANDRAKE	MALLOW	FIDDLER	FITTER	FISHBED	FISHPOT	FIRESTAR/BREWER	TOTALS	BISON	BEAR	BADGER	BLINDER	BOUNDER	MANDRAKE	MALLOW	FIDDLER	FITTER	FISHBED	FISHPOT	FIRESTAR/BREWER	TOTALS
Akhtubinsk/Vladimirovka																											
Alekseyevka																											
Anadyr/Leninka																											
Anisovo Gorodishche																											
Arkhangelsk/Kholm*																											
Artem North																											
Baranovich*			11 (1 Poss)							5	3 (Poss)	7 (1 Poss)	82			20	13										83
Borzya																7											7
Belaya Tserkov		4	17										21														
Bobruysk*			37 (1 Poss)										37														
Bryeni*																											
Bykhov*			73 (Prob)										72														
Chopelevka*		41	6										47														
Dolon*	8	25	6										34		39	8											45
Donuslav Lake							14 (Prob)						14														
Engels*	84	12											48	34		11											44
Gomol Pribytki			21	31									82														
Kalinin*			3 (Prob)										3														
Kaliningrad/Proveron																8	20										37
Komsomolsk Plt 126																						20 (Prob)					
Kazan A/C Plt 22																7 (Poss)	14										21
Mal Yavr																											
Melitopol			8									2	10														
Minsk/Mechulisheva*																											
Mirgorod																14											14
Moscow/Ramenskoye				6 (Poss)	1								7														
Mordok*																											
Norhin																											
Nikolayev/Kulbakina			40										40														
Oktyabrskoye																											
Olenegorsk			14										14														
Orsha Southwest*			27										27														
Ostrov Gorokhovka			4										4														
Petropavlovsk/Yelizovo																											
Poltava*																											
Priluki*			23 (Prob)										23														
Romanovka West			20							4			24														
Ryazan/Dyagilevo			46 (Prob)										49														
Saki																											
Sarabuz			18										18														
Severomorsk			2										2														
Sinuliai*	7	18											25	8	2	16											26
Soltsy*																											
Spasnk Dalny East			31 (Prob)										31														
Stryy*			99 (Poss)										29														29
Vladimirovka															2	11 (1 Prob)						3 (Prob)					21
Ukraina*		49 (B/B)	28										86														
Ussuriysk Vozdvizhonka*			22						16				38														
Zhitomir/Skomorokhi*																											
TOTALS		44	107	477	37	1	14	16	4	14	0	765	41	57	41	120	56					22				307	

25X2

Base	Last Effective Coverage	Previous Submarine Count										Observed This Mission													
		SSBN, H-class	SSGN, E-class	SSB, G-class	SSB, Z-conversions	SSG, J-class	SSN, W-Longfin	SS, A-class	SS, F-class	SS, Z-class	SS, R-class	SS, W-class	SS, Unidentified	TOTALS	SSBN, H-class	SSGN, E-class	SSB, G-class	SSB, Z-conversions	SSG, J-class	SSN, W-Longfin	SS, A-class	SS, F-class	SS, Z-class	SS, R-class	SS, W-class
Balaklava											5 (Medium)	5													
Dunay			1									1													
Khronstadt											9 (1-Poss)	9													
Komsomolsk													1												1
Liepaya											11	11							2 Z/F (Prob)		6 W/R (Prob)				8
Litsa Bay		4	2				4																		
Magadan											3 (Poss)	3													
Olenya Guba			4								7 W/R (1-Poss)	11													
Pechenga											7 W/R (Prob)	7													
Petrovskiy		1	1				2 F/Z				3 (1-Poss)	13													
Petrovka		2*									3	5													
Polyarnyy							11 F/Z				10 W/R (2-Poss)	21													
Riga											2 9 W/R	11													
Rosta											2 (Poss)	2													
Sayda Guba			3	1							1 W/R	7													
Sevastopol											1 (Poss)	11													
Severodvinsk											1 (Poss)	1													
Severomorsk											2	2													
Sovetskaya Gavan											5	5													
Strelok Strait		1					1 F/Z				1	3													
Ura Guba											1 (Poss)	1													
Vladimir											6 (2 Poss)	6													
Vladivostok											2	2													
TOTALS		4	7	8	1		4				2 15 58	147	5										1		14
											14 F/Z	34 W/R											2 Z/F	6 W/R	

25X1

25X1D

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## **Missiles**

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MISSILES

[ ] YOSHKAR-OLA ICBM COMPLEX UR 5634N 04803E

25X1D

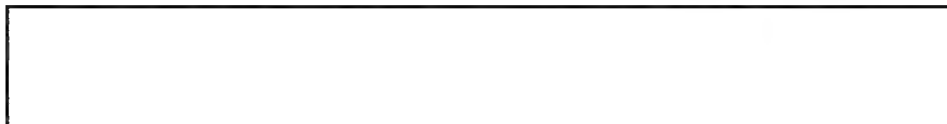
NO APPARENT CHANGE IN THE COMPLEX SUPPORT FACILITY  
AND RAIL-TO-ROAD TRANSFER POINT SINCE [ ]

IDENTIFICATION ONLY OF LAUNCH AREAS A (SITE 1), B  
(SITE 2), AND E (SITE 5). LAUNCH AREAS C (SITE 3)  
AND D (SITE 4) ARE CLOUD COVERED.

NON-STEREO PHOTOGRAPHY OF LAUNCH AREA F (SITE 6)  
REVEALS THAT THIS TYPE IID SITE IS COMPLETE. AN  
ERECTOR/SHELTER IS APPARENT ON EACH PAD. ALL  
BUILDINGS ARE PRESENT.

NO ABM-RELATED INSTALLATIONS ARE DETECTED WITHIN  
A 50-NM RADIUS. AREA IS 65-75 PERCENT CLOUD COVERED.  
ONLY EASTERN SIDE NOT COVERED BY PHOTOGRAPHY.

25X1D



25X1A

[ ] DROVYANAYA ICBM COMPLEX UR 5132N 11301E

THE COMPLEX SUPPORT FACILITY, TRANSFER POINT, AND  
LAUNCH AREAS A, C, D, AND F ARE CLOUD COVERED.  
ONLY LAUNCH AREAS B (SITE 2) AND E (SITE 5) AND THE  
UNIDENTIFIED ACTIVITY NEAR E ARE VISIBLE THROUGH  
HEAVY CLOUDS. THE 2 LAUNCH AREAS ARE COVERED BY  
FAIR QUALITY STEREO COVER. LAUNCH AREA B (SITE 2),  
A TYPE IIIA SITE, IS NOW COMPLETE AND AT LEAST  
PARTLY DOUBLE FENCED. ABOUT TWO-THIRDS OF THE  
BUILDINGS IN THE SITE SUPPORT FACILITY HAVE BEEN  
REMOVED.

25X1D

LAUNCH AREA E (SITE 5), A TYPE IIIA SITE, IS STILL  
IN A MIDSTAGE OF CONSTRUCTION. THE CONTROL  
BUNKER AND EQUIPMENT BUNKERS NOW APPEAR COMPLETE  
AND BACKFILLING APPEARS TO HAVE BEGUN. THE 3 SILOS  
ARE STILL UNDER CONSTRUCTION WITH RAMPS LEADING TO  
THEM. THREE APPARENT STRUCTURES NOW OCCUPY THE 3  
PARALLEL SCARS OBSERVED TO THE NW OF THE EXCAVATION  
ON [ ] THERE IS A FAINT SUGGESTION  
THAT THEY ARE ROUNDED AND SEGMENTED. IMMEDIATELY  
TO THE WEST OF THESE ARE 2 BUILDINGS, POSSIBLY

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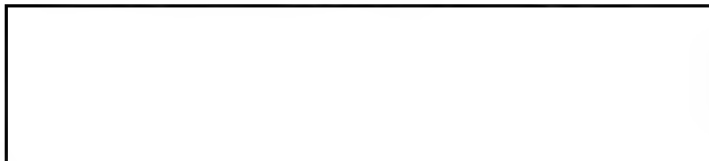
ARCH-ROOFED, UNDER CONSTRUCTION. IN THE EXCAVATION TO THE WEST OF THE CONTROL BUNKER ARE 2 SMALL SQUARE STRUCTURES. THIS IS THE AREA WHERE MOUNDED OBJECTS HAVE PREVIOUSLY BEEN REFERRED TO AS POSSIBLE SEMIBURIED TANKS. FURTHER WEST, 2 BUILDINGS HAVE BEEN ADDED ON THE NORTH SIDE OF THE ACCESS ROAD AND ONE TO THE SOUTH. THE LATTER HAS A RELATIVELY TALL TOWER ON THE ROOF. A NEW BORROW PIT IS LOCATED APPROXIMATELY 3,500 FT WEST OF THE SITE. NEARBY, A NEW STRAIGHT SCAR LEADS FROM THE ACCESS ROAD AND TERMINATES IN A SMALL HEART-SHAPED CLEARING.

25X1D

SEVERAL BUILDINGS HAVE BEEN ADDED TO THE UNIDENTIFIED ACTIVITY NEAR E (SITE 5) AND TRACK ACTIVITY NEW SINCE [REDACTED] LEADS GENERALLY NW OF THE AREA AND DISAPPEARS UNDER THE CLOUDS.

NO ABM ACTIVITY OBSERVED IN THE EASTERN TWO-THIRDS OF THE SEARCH AREA WHICH IS APPROXIMATELY 65-70 PERCENT CLOUD COVERED.

25X1D



25X1A

[REDACTED] PERM ICBM COMPLEX UR 5742N 05619E

THE COMPLEX IS COVERED BY POOR QUALITY PHOTOGRAPHY WITH SCATTERED CLOUDS.

25X1D

LAUNCH AREA D (SITE 6) SHOWS NO SIGNIFICANT CHANGE SINCE [REDACTED]

LAUNCH AREAS C (SITE 3), E (SITE 5), AND F (SITE 4) ARE IDENTIFICATION ONLY.

THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, AND LAUNCH AREA B (SITE 2) ARE CLOUD COVERED.

NO ABM-RELATED INSTALLATIONS ARE DETECTED WITHIN THE COVERED PORTION OF A 50-NM RADIUS.

25X1D





25X1

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25X1A

[REDACTED] GLADKAYA ICBM COMPLEX UR 5605N 09213E

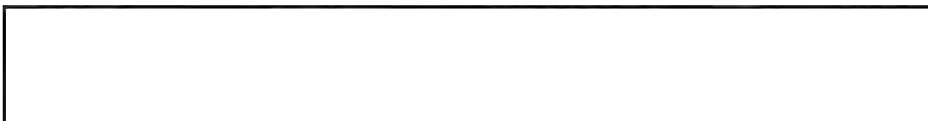
NO SIGNIFICANT CHANGE IN THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, OR LAUNCH AREA A (SITE 3) SINCE [REDACTED]

25X1D

LAUNCH AREA A (SITE 3) IS PARTIALLY OBSCURED BY CLOUDS AND HAZE. LAUNCH AREAS B (SITE 2), C (SITE 4), D (SITE 5), AND E (SITE 6) ARE EITHER CLOUD COVERED OR NOT COVERED.

NO ABM ACTIVITY APPARENT WITHIN 50-NM RADIUS. THE SEARCH AREA IS 50 PERCENT CLOUD COVERED.

25X1D



25X1A

[REDACTED] OLOVYANNAYA ICBM COMPLEX UR 5048N 11550E

COMPLEX SUPPORT FACILITY, TRANSFER POINT, AND LAUNCH AREA C (SITE 3) ARE CLOUD COVERED. LAUNCH AREAS A (SITE 1) AND B (SITE 2) -- IDENTIFICATION ONLY.

NO ABM ACTIVITY NOTED IN WESTERN THREE-QUARTERS OF SEARCH AREA ON 70 PERCENT CLOUD-COVERED PHOTOGRAPHY.

25X1D

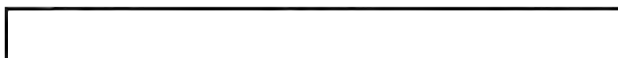


25X1A

[REDACTED] KOVYLKINO SUSPECT ICBM AREA UR 5402N 04356E

AREA COVERED BY GOOD QUALITY STEREO PHOTOGRAPHY. NO SSM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS. AREA CAN BE NEGATED.

25X1D



25X1

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25X1A

[REDACTED] GVARDEYSK MRBM LAUNCH SITE 2 UR 5445N 02109E

NO NEW HARDENED SSM SITE OBSERVED WITHIN A 25-NM RADIUS. SCATTERED CLOUDS PRECLUDE NEGATION.

25X1D

[REDACTED]

25X1A

[REDACTED] SLAVSK MRBM LAUNCH SITE 2 UR 5500N 02129E

NO HARDENED SSM SITE OBSERVED WITHIN A 25-NM RADIUS. SCATTERED CLOUDS PRECLUDE NEGATION.

25X1D

[REDACTED]

25X1A

[REDACTED] ZNAMENSK MRBM LAUNCH SITE 1 UR 5433N 02111E

NO NEW HARDENED SSM SITE OBSERVED WITHIN A 25-NM RADIUS. SCATTERED CLOUDS PRECLUDE NEGATION.

25X1D

[REDACTED]

25X1A

[REDACTED] GUSEV MRBM LAUNCH SITE 1 UR 5441N 02205E

NO HARDENED SSM SITE OBSERVED WITHIN A 25-NM RADIUS. SCATTERED CLOUDS PRECLUDE NEGATION.

25X1D

[REDACTED]

25X1A

[REDACTED] OVRUCH MRBM LAUNCH SITE 1 UR 5117N 02816E

NO ADDITIONAL SSM ACTIVITY OBSERVED WITHIN A 25-NM RADIUS. AREA CAN BE NEGATED.

25X1D

[REDACTED]

25X1A

[REDACTED] KOROSTEN MRBM LAUNCH SITE 1 UR 5051N 02818E

NO NEW SSM ACTIVITY OBSERVED WITHIN A 25-NM RADIUS. AREA CAN BE NEGATED.

25X1D

[REDACTED]

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25X1A

[REDACTED] BALTA MRBM LAUNCH SITE 1 UR 4801N 02933E

NO HARD SSM SITE OBSERVED IN CLOUD-FREE AREAS  
WITHIN A 25-NM RADIUS TO THE SOUTH, EAST, AND NORTH.  
WESTERN QUARTER OF SEARCH AREA NOT COVERED.

25X1D

AREA CANNOT BE NEGATED.

25X1A

[REDACTED] GRESK MRBM LAUNCH SITE 1 UR 5314N 02742E

NO NEW SSM ACTIVITY OBSERVED WITHIN 25-NM RADIUS  
IN NW AND SW QUADRANTS. SCATTERED CLOUDS PRECLUDE  
NEGATION OF THOSE AREAS COVERED.

25X1D

25X1A

[REDACTED] NEMAN MRBM LAUNCH SITE UR 5501N 02211E

NO NEW HARDENED SSM SITE OBSERVED WITHIN A 25-NM  
RADIUS. SCATTERED CLOUDS PRECLUDE NEGATION.

25X1D

25X1A

[REDACTED] AKHTYRKA MRBM LAUNCH SITE 1 UR 5015N 03450E

NO HARDENED SSM LAUNCH SITE OBSERVED WITHIN A 25-NM  
RADIUS. CLOUDS PRECLUDE NEGATION.

25X1D

25X1A

[REDACTED] ZHITOMIR MRBM LAUNCH SITE 1 UR 5004N 02816E

NO NEW SSM ACTIVITY OBSERVED WITHIN A 25-NM RADIUS.  
AREA CANNOT BE NEGATED.

25X1D

25X1A

[REDACTED] LIPNIKI MRBM LAUNCH SITE UR 5112N 02826E

NO ADDITIONAL SSM ACTIVITY OBSERVED WITHIN A 25-NM  
RADIUS. AREA CAN BE NEGATED.

NPIC/R-419/64

25X1D

[REDACTED]

25X1A

[REDACTED]

KOZHANOVICHI MRBM LAUNCH SITE 1 UR 5210N 02751E

NO NEW SSM ACTIVITY OBSERVED WITHIN A 25-NM  
RADIUS. SCATTERED CLOUDS PRECLUDE NEGATION.

25X1D

[REDACTED]

25X1A

[REDACTED]

BERDICHEV MRBM LAUNCH SITE UR 5005N 02822E

NO NEW SSM ACTIVITY WITHIN A 25-NM RADIUS. AREA  
CANNOT BE NEGATED.

25X1D

[REDACTED]

25X1A

[REDACTED]

URECHYE MRBM LAUNCH SITE UR 5311N 02758E

NO NEW SSM ACTIVITY OBSERVED WITHIN 25-NM RADIUS IN  
NW AND SW QUADRANTS. SCATTERED CLOUDS PRECLUDE  
NEGATION OF THOSE AREAS COVERED.

25X1D

[REDACTED]

25X1A

[REDACTED]

SKRUNDA IRBM LAUNCH SITE UR 5635N 02149E

NO APPARENT CHANGE SINCE MISSION [REDACTED]

25X1D

[REDACTED]

25X1A

[REDACTED]

GRANOV IRBM LAUNCH SITE 2 UR 4849N 02929E

SITE APPEARS TO BE EITHER IN A LATE STAGE OF  
CONSTRUCTION OR COMPLETE.

25X1D

[REDACTED]

25X1A

[REDACTED]

DTYNIA MRBM LAUNCH SITE UR 4847N 02450E

NO CHANGE AT SITE. NO NEW SSM ACTIVITY OBSERVED  
WITHIN 25-NM RADIUS. SCATTERED CLOUDS PRECLUDE

25X1A

NPIC/R-419/64

25X1D

NEGATION OF AREA.  
[REDACTED]

25X1A

[REDACTED] RUDNYA ZLOTINSKAYA MRBM LAUNCH SITE UR 5104N 02807E

NO CHANGE IN THE SITE. NO NEW SSM ACTIVITY  
OBSERVED WITHIN A 25-NM RADIUS. AREA CAN BE NEGATED.

25X1D

25X1A

[REDACTED] SOKAL MRBM LAUNCH SITE 3 UR 5020N 02426E

NO ADDITIONAL HARD SITE OBSERVED WITHIN A 25-NM  
RADIUS. AREA CAN BE NEGATED.

25X1D

25X1A

[REDACTED] VAINODE IRBM LAUNCH SITE UR 5628N 02150E

NO APPARENT CHANGE SINCE [REDACTED] EXCEPT FOR  
THE ADDITION OF MORE FOOTINGS FOR PROBABLE DIPOLE  
ANTENNAS AT THE NEARBY ELECTRONICS FACILITY. THE  
SITE IS STILL IN A MID-STAGE OF CONSTRUCTION.

25X1D

25X1A

[REDACTED] KALNIK IRBM LAUNCH SITE UR 4859N 02922E

SITE APPEARS TO BE IN A MID-STAGE OF CONSTRUCTION.  
SUPPORT AREA IS NOT VISIBLE DUE TO CLOUD COVER.

25X1D

25X1A

[REDACTED] POSTAVY MRBM LAUNCH SITE 2 UR 5506N 02700E

SITE IS STILL IN A MID-STAGE OF CONSTRUCTION. POOR  
IMAGE QUALITY PRECLUDES FURTHER INTERPRETATION.

25X1D

25X1

25X1A

[ ] KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR UR 4835N 04545E

KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER IS COVERED BY POOR TO FAIR QUALITY, PARTIALLY CLOUD-COVERED PHOTOGRAPHY.

25X1D

LAUNCH COMPLEX E (SITE 3) -- NO APPARENT CHANGE SINCE MISSION [ ]. NO ACTIVITY OBSERVED WITHIN LAUNCH AREA.

25X1D

TROOP TRAINING AREA -- 4 BARRACKS-TYPE BUILDINGS UNDER CONSTRUCTION ON MISSION [ ] HAVE BEEN COMPLETED. NUMEROUS UNIDENTIFIED VEHICLES ARE PARKED WITHIN THE AREA.

25X1D

LAUNCH COMPLEX A, HOUSING SUPPORT AREA, LAUNCH COMPLEX B -- IDENTIFICATION ONLY.

PROBABLE ASSEMBLY AND CHECKOUT AREA AND UNIDENTIFIED FACILITY BEHIND B -- NO APPARENT CHANGE IN FACILITIES SINCE MISSION [ ].

25X1D

ADMINISTRATIVE, HOUSING AND SERVICE AREAS -- (NORTH) NO APPARENT CHANGE IN FACILITIES SINCE MISSION [ ]. BUILDINGS ARE STILL UNDER CONSTRUCTION IN THE SOUTHERN SECTION. (SOUTH) NO APPARENT CHANGE IN FACILITIES SINCE MISSION [ ]. MOTOR POOL CONTAINS SEVERAL PROBABLE VEHICLES.

25X1D

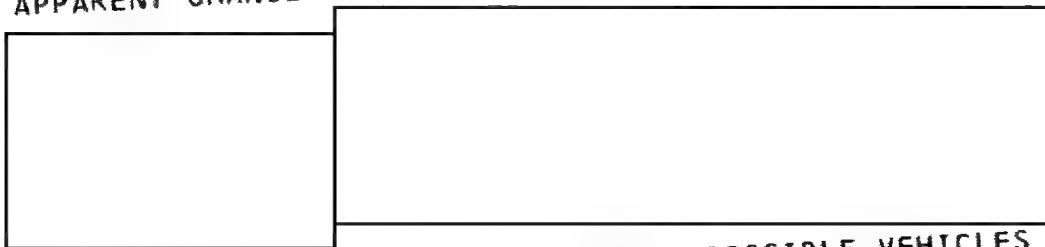
SSM BIVOUAC AREA -- IDENTIFICATION ONLY.

25X1D

25X9

RAIL-SERVED FINAL ASSEMBLY AND CHECKOUT AREA -- NO APPARENT CHANGE IN FACILITIES SINCE MISSION [ ]

25X9



LAUNCH AREA 1C (SITE 7) -- SEVERAL POSSIBLE VEHICLES AND THE RAIL-SERVED ERECTOR/LAUNCHER ARE VISIBLE ON THE OLD PAD. THE 2 NEW LAUNCH POSITIONS OBSERVED ON MISSION [ ] ARE STILL UNDER CONSTRUCTION. THEY HAVE AN APPROXIMATELY 525 FT SEPARATION AND ARE NOW BOTH RAIL SERVED BY NEW SPURS FROM THE RAIL LINE LEADING TO THE LAUNCHER/ERECTOR ON THE OLD PAD. THE

25X1D

25X1

NPIC/R-419/64

25X1D FENCE LINES ARE BEING EXTENDED TO INCLUDE THESE NEW POSITIONS. NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED] IN THE CHECKOUT AREA.

LAUNCH AREA 2C (SITE 6) -- IDENTIFICATION ONLY.

25X1D LAUNCH AREA 3C (SITE 5) -- NO APPARENT CHANGE SINCE [REDACTED] ONE PROBABLE VEHICLE APPROXIMATELY 65 FT LONG IS ON THE LAUNCH PAD. NO APPARENT CHANGE SINCE [REDACTED] IN THE CHECKOUT AREA.

25X1D LAUNCH AREA 4C-1 -- NO APPARENT CHANGE SINCE MISSION [REDACTED] A STRUCTURE IS STILL OVER ONE OF THE FORWARD SILOS AS OBSERVED ON [REDACTED]

25X1D LAUNCH AREA 4C-2 -- NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED] TWO OF THE 3 SILOS ARE OPEN. AN APPROXIMATELY 65-FT-LONG OBJECT IS ON THE ROAD AT THE ENTRANCE TO THE AREA.

25X1D

4C SUPPORT AREA -- NO FURTHER RAZING OF STRUCTURES SINCE [REDACTED]

25X1D

LAUNCH AREA 5C-1 -- NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED] NINE VEHICLES OBSERVED IN AREA. AN APPROXIMATELY 55-FT-LONG OBJECT IS ON THE SOUTHERN PAD.

25X1D

LAUNCH AREA 5C-2 -- NO APPARENT CHANGE SINCE MISSION [REDACTED] THE AREA IS APPARENTLY ABANDONED.

25X1D

LAUNCH COMPLEX D (SITE 1) -- NO APPARENT CHANGE SINCE [REDACTED] NO ACTIVITY OBSERVED WITHIN THE COMPLEX.

25X1D

FINAL ASSEMBLY AND CHECKOUT AREA -- NO APPARENT CHANGE SINCE [REDACTED] NO ACTIVITY OBSERVED WITHIN THE AREA.

25X1D

LAUNCH COMPLEX G -- NO APPARENT CHANGE SINCE MISSION [REDACTED] NO ACTIVITY OBSERVED WITHIN THE COMPLEX. SAM SITE ADJACENT TO THE HOUSING AND SUPPORT AREA IS UNOCCUPIED.

25X1D

MISSILE HANDLING AND STORAGE AREA -- NO APPARENT CHANGE SINCE [REDACTED] NO ACTIVITY OBSERVED.

TEST AND SUPPORT COMPLEX -- NO SIGNIFICANT CHANGE

NPIC/R-419/64

25X1D  
SINCE [REDACTED] 25X1D

VLADIMIROVKA AIRFIELD -- NO SIGNIFICANT CHANGE IN FACILITIES SINCE [REDACTED] THE FOLLOWING AIRCRAFT COULD BE OBSERVED AT OR ADJACENT TO THE AIRFIELD -- 2 BEAR, 26 BADGER, 6 BULL, ONE PROBABLE BADGER, 25 BEAGLE, 2 PROBABLE FITTER, APPROXIMATELY 65 SWEEP-WING FIGHTERS, AND 9 UNIDENTIFIED STRAIGHT-WING AIRCRAFT.

SAM LAUNCH COMPLEX -- THE MAJORITY OF THE FACILITIES IN THE SAM LAUNCH COMPLEX REMAIN UNCHANGED SINCE LAST COVERAGE. THE FOLLOWING CHANGES OR EVIDENCE OF ACTIVITY WERE NOTED. A NEW AREA HAS BEEN CONSTRUCTED JUST NW OF THE R&D LAUNCH AREA. COMPONENTS INCLUDE 2 RECTANGULAR STRUCTURES, A POSSIBLE MOUND WITH 2 OBJECTS POSITIONED ON TOP AND SEVERAL SMALL SUPPORT FACILITIES.

IN THE R&D LAUNCH AREA, 2 POSSIBLE MISSILE TRANSPORTERS ARE PARKED IN ONE OF THE U-SHAPED REVETMENTS AND AN OBJECT IS STANDING ERECT IN THE CENTER OF ONE CIRCULAR PAD. THE SITE IN THE NE CORNER IS MORE CLEARLY DEFINED THAN PREVIOUSLY WITH THE PERIMETER ROAD AND 6 IRREGULARLY-SPACED LAUNCH POSITIONS VISIBLE.

POSSIBLE EQUIPMENT IS OBSERVED ON THE 2 HARDSTANDS IN THE CENTRAL GUIDANCE AREA OF THE PROBABLE SA-3 TRAINING SITE 4 NM WEST OF THE SAM COMPLEX.

25X1D

TWO NEW REVETTED STORAGE STRUCTURES HAVE BEEN ADDED TO THE MISSILE CHECKOUT AND STORAGE AREA SINCE [REDACTED] BRINGING THE TOTAL TO 11.

25X1D

IN THE ELECTRONICS SITE, 3 BUILDINGS FRONTED BY APRONS AND AN ADDITIONAL APRON HAVE BEEN ADDED SINCE [REDACTED] NO EVIDENCE OF NUCLEAR SHOT IN AREA 50 NM NORTH OF SAM FACILITIES.

25X1D





NPIC/R-419/64

25X1A

[REDACTED] SARY-SHAGAN ANTIMISSILE TEST CENTER UR 4602N 07334E

ALL SIGNIFICANT FACILITIES AT THE TEST CENTER ARE COVERED BY GENERALLY VERY GOOD, ALMOST COMPLETELY CLOUD-FREE, PHOTOGRAPHY. HOWEVER, POSSIBLE INSTRUMENTATION SITE 15 WAS NOT COVERED. PARTIAL COVERAGE OF POSSIBLE INSTRUMENTATION SITE 13 THROUGH SCATTERED TO HEAVY CLOUDS AND HAZE REVEALS ONE BUILDING OF THE TRIAD. ONLY THE NORTHERN OF THE 2 LINEAR EXCAVATIONS PREVIOUSLY OBSERVED UNDER CONSTRUCTION IS DISCERNIBLE THROUGH THE CLOUDS. EXTENSIVE DEVELOPMENT HAS TAKEN PLACE HERE SINCE [REDACTED] CONSTRUCTION CONTINUES ON THE PROBABLE CENTRAL CONTROL BUILDING. THE CONSTRUCTION STATUS AND DETAILS OF 2 PORTIONS OF THE NORTHERN EXCAVATION ARE VERY DIFFICULT TO ASCERTAIN BECAUSE OF NON-STEREO COVERAGE AND WEATHER CONDITIONS. HOWEVER, IT WOULD APPEAR THAT TWO-THIRDS OF THE NORTH PORTION (APPROXIMATELY 1,025 FT LONG) OF THIS EXCAVATION HAS NOW BEEN ROOFED. A POSSIBLE FRAMEWORK CAN BE SEEN IN THE REMAINING ONE-THIRD. THE STRUCTURE UNDER CONSTRUCTION APPEARS TO HAVE A PITCHED ROOF. THE SIDE OF THE STRUCTURE FACING WEST IS LIGHT IN TONE, CONVEYING THE IMPRESSION OF AN OPEN AREA APPROXIMATELY 880 FT LONG. WORK HAS PROGRESSED ON THE SOUTHERN PORTION OF THE EXCAVATION (APPROXIMATELY 1,040 FT VISIBLE) AS WELL, AND A POSSIBLE FRAMEWORK NOW APPEARS TO HAVE BEEN CONSTRUCTED IN THE VISIBLE PORTION OF THIS EXCAVATION.

25X1D

25X1A

AT LAUNCH COMPLEX A [REDACTED], ACTIVITY IS OBSERVED AT ALL LAUNCH SITES EXCEPT SITE 6. A TOWERLIKE STRUCTURE CAN NOW BE IDENTIFIED JUST SE OF LAUNCH SITE 3 OUTSIDE THE FENCE LINE. NO SIGNIFICANT CHANGE HAS TAKEN PLACE IN THE NEW ROAD CONSTRUCTION NEAR LAUNCH SITE 3. THE FOUR 50- BY 20-FOOT OBJECTS REMAIN POSITIONED ON SITE 3. THE PROBABLE ENVIRONMENTAL SHELTER OR SCAFFOLDING OBSERVED AT THE NE END OF ELECTRONICS SITE C IN [REDACTED] HAS BEEN REMOVED. THE PROBABLE CRANE REMAINS.

25X1D

25X1D

25X1A

NO APPARENT CHANGE NOTED AT LAUNCH COMPLEX B [REDACTED] SINCE [REDACTED] AN UNIDENTIFIED AIRCRAFT WITH SWEEP WINGS IS PARKED CLOSE TO THE NE END OF THE 16,500 FT DIRT STRIP. ITS LENGTH IS APPROXIMATELY 108 FT AND ITS WING SPAN [REDACTED] THE TWO 90- BY 80-FT BUILDINGS COMPOSING THE EASTERN

25X1D

NPIC/R-419/64

25X1D

25X1D

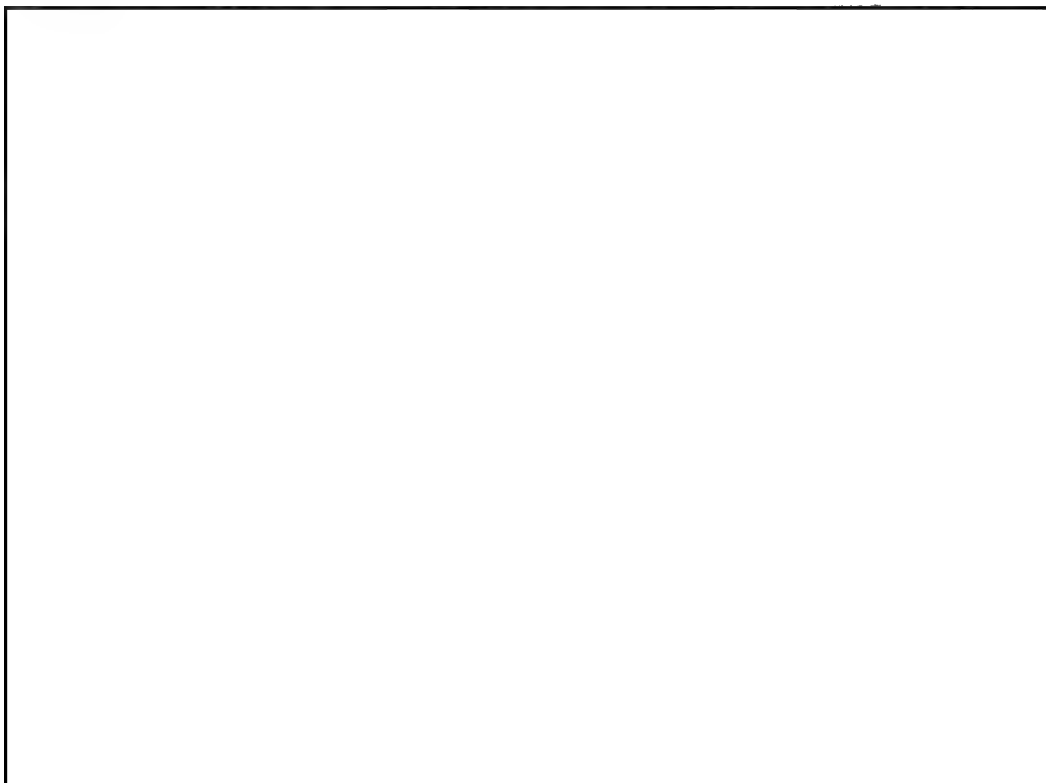
TRACKING STATION OF INSTRUMENTATION SITE 1 AND UNDER CONSTRUCTION IN [REDACTED] APPEAR TO HAVE BEEN COMPLETED ON THE EXTERIOR AND THERE IS A PROBABLE ENVIRONMENTAL SHELTER ON EACH ROOF. THE ENVIRONMENTAL STRUCTURE REPORTED ON [REDACTED] OVER THE 135- BY 125-FT BUILDING AT INSTRUMENTATION SITE 2 NOW APPEARS TO BE SITUATED ADJACENT TO THE BUILDING AND NOT CENTERED ON THE ROOF. NO SIGNIFICANT CHANGE NOTED IN THE BUILDING TRIAD. THE 110-FT DOME AT INSTRUMENTATION SITE 10 IS NOT APPARENT. CONSTRUCTION HAS TAKEN PLACE SINCE [REDACTED] ON THE ROOF OF THE LARGE RECTANGULAR BUILDING IN THE BUILDING TRIAD AT SITE 10. LAUNCH POSITIONS AT THE SAM TRAINING SITE APPEAR UNOCCUPIED. SUPPORT STRUCTURES REMAIN ESSENTIALLY AS THEY WERE IN [REDACTED] ONE SMALL STRAIGHT-WING AIRCRAFT IS OBSERVED ON THE AIRSTRIP AT INSTRUMENTATION SITE 6.

25X1D

25X1D

NO SIGNIFICANT CHANGE NOTED IN THE HEN HOUSE ANTENNA, HEN ROOST ANTENNAS, PRIMARY AIRFIELD, THE REMAINDER OF THE SUPPORT BASE, POSSIBLE FIELD LAUNCH POINT, AND INSTRUMENTATION SITES 3, 4, 5, 7, 8, 9, 11, 12, AND POSSIBLE SITE 14.

25X1D



NPIC/R-419/64

25X1D

[REDACTED]

25X1A

[REDACTED] MAKAT FIELD LAUNCH POINT (MRBM) UR 4758N 05342E

THIS PREVIOUSLY-REPORTED PROBABLE FIELD LAUNCH POINT IS NOW CONFIRMED AS A FIELD LAUNCH POINT. IN ADDITION, A PROBABLE INSTRUMENTATION SITE HAS BEEN ADDED APPROXIMATELY 1.3 NM NORTH.

25X1D

NO SIGNIFICANT CHANGE IN THE SUPPORT AREA.

[REDACTED]

25X1A

[REDACTED] SHUANG-CHENG-TZU MISSILE TEST CENTER CH 4107N 10020E

MOST OF THE SSM AND SAM LAUNCH AND INSTRUMENTATION FACILITIES ARE COVERED BY CLEAR, USABLE PHOTOGRAPHY. INTERPRETATION IS NOT POSSIBLE AT THE MAIN SUPPORT BASE OR SHUANG CHENG TZU AIRFIELD DUE TO POOR IMAGE QUALITY. THE POSSIBLE PROPELLANT HANDLING AND STORAGE AREA IS NOT COVERED BY PHOTOGRAPHY.

SSM LAUNCH COMPLEX A (SITE 1) HAS ONE VEHICLE PARKED ON AN APRON IN THE CHECKOUT AREA. NO OTHER ACTIVITY OR NEW CONSTRUCTION OBSERVED AT COMPLEX A. NO ACTIVITY OR SIGNIFICANT CHANGE NOTED AT SSM LAUNCH COMPLEX B (SITE 2) AND C (SITE 3). ONE VEHICLE OBSERVED IN MOTION AT THE SSM CONTROL CENTER. THE VEHICLE MAINTENANCE AND STORAGE SECTION OF THE SSM HOUSING AND SUPPORT AREA HAS NUMEROUS VEHICLES/EQUIPMENT ON A PAD ADJACENT TO THE MAINTENANCE BUILDING. NO ACTIVITY OR CHANGE NOTED AT THE SSM INSTRUMENTATION FACILITIES.

25X1D

THE SAM LAUNCH AREA HAS GUIDANCE RADARS AT BOTH SITES AND VEHICLES/EQUIPMENT IN BOTH REVETTED HOLD AREAS. A SECOND PAD HAS BEEN REVETTED AT SITE B SINCE [REDACTED] NO LAUNCHERS VISIBLE AT EITHER SITE.

25X1D

AT THE SAM HOUSING AND SUPPORT AREA ONE BARRACKS-TYPE BUILDING 140 BY 45 FEET HAS BEEN CONSTRUCTED SINCE [REDACTED]. NO VEHICLE ACTIVITY NOTED. NO CHANGE OR ACTIVITY NOTED AT THE SAM INSTRUMENTATION FACILITIES, OR AT THE DEPLOYED SAM SITE AND BARRACKS AREA. THE RAIL LINE INTO THE DESERT SHOWS NO APPARENT CHANGE.

25X1D

[REDACTED]

NPIC/R-419/64

25X1D

[REDACTED]

25X1A

[REDACTED] DNEPROPETROVSK MISSILE DEVELOP PROD CTR UR 4826N 03459E

25X1D [REDACTED] NORTH PRODUCTION UNIT SHOWS NO CHANGE SINCE MISSION  
[REDACTED] TWELVE RAIL CARS APPROXIMATELY 75 FT LONG  
ARE BETWEEN BUILDINGS 4 AND 6. THREE NEW BUILDINGS  
HAVE BEEN ADDED IN THE SOUTH PRODUCTION UNIT SINCE

25X1D [REDACTED] TWO TO THE WEST AND ONE IMMEDIATELY  
SOUTH OF BUILDING 2, WHICH IS STILL UNDER  
CONSTRUCTION.

25X1D IN THE TEST AREA, CONSTRUCTION ACTIVITY AND EXCAVATION  
CONTINUE EAST OF BUILDING 20 AND SOUTH OF TEST  
STAND 2. ADDITIONAL DETAILS OF THE TEST STANDS AND  
THE UNIQUE OVERHEAD PIPELINE SYSTEM ARE VISIBLE.  
A RECTANGULAR EXCAVATION IS NEAR THE WESTERNMOST  
PIPELINE WHERE GROUND SCARRING APPEARED ON

25X1D [REDACTED] CONSTRUCTION CONTINUES ON NEW RAIL  
SPURS IN THE NW SECTION OF THE TEST AREA. NO  
OPERATIONAL ACTIVITY OBSERVED ON BEST KEYHOLE  
COVERAGE TO DATE. BUILDING NUMBERS ARE BASED ON  
NPIC/R-250/64.

[REDACTED]

25X1A

[REDACTED] KRASNOYARSK EXPLOSIVES PLANT ZLOBINO UR 5602N 09303E

25X1D IDENTIFICATION ONLY.

[REDACTED]

25X1A

[REDACTED] KRASNOYARSK STATIC TEST STAND UR 5605N 09327E

25X1D POOR STEREO COVERAGE REVEALS A POSSIBLE PIPELINE  
FROM THE VERTICAL TEST STAND AREA DOWN TO THE  
SUSPECT HORIZONTAL TEST FACILITY IN THE VALLEY.  
NO ADDITIONAL APPARENT CHANGES SINCE [REDACTED]

25X1D

[REDACTED]

25X1

25X1A

25X1

[REDACTED] AIRCRAFT ENGINE PLANT 478 UR 4749N 03511E

25X1D

FIVE BUILDINGS, NEW OR COMPLETED SINCE [REDACTED],  
ARE NOW VISIBLE. FOUR ARE WITHIN THE PLANT BOUNDARY  
AND ADD APPROXIMATELY 268,500 SQ FT OF FLOOR  
SPACE. THE FIFTH BUILDING COVERS APPROXIMATELY  
72,600 SQ FT AND IS ADJACENT TO THE PLANT BUT  
ACROSS THE WEST BOUNDARY STREET. THIS COULD BE AN  
ADDITION TO THE COMPLEX. ALL FIVE BUILDINGS  
INCREASE THE TOTAL FLOOR SPACE OF ENGINE PLANT  
478 TO APPROXIMATELY 2,000,700 SQ FT.

25X1D

25X1A

[REDACTED] SARATOV AIRFRAME PLANT 292 UR 5130N 04557E

25X1D

NO APPARENT CHANGE SINCE [REDACTED]

25X1D

NO AIRCRAFT APPARENT OR TEST STANDS IDENTIFIED  
IN PLANT AREA.

25X1A

[REDACTED] KOMSOMOLSK SHIPYARD AMUR 199 UR 5033N 13702E

FOUR LARGE BUILDINGS, LAUNCHING BASIN, FITTING-OUT  
WHARF, AND A FITTING-OUT PIER AT LEAST 980 FT LONG  
ARE LOCATED AT SE END OF WHARF. ONE UNIDENTIFIED  
VESSEL IS AT NEW FITTING-OUT PIER. NUCLEAR/MISSILE  
CONFIGURED SUBMARINE CONSTRUCTION ACTIVITY AT  
SHIPYARD IS CONFIRMED.

VESSELS -- 2 EMPTY 440-FT TRANSPORTER DOCKS AND  
ONE E-CLASS SSGN APPROXIMATELY 365 FT LONG AT PIER.

WATER IN LAUNCH BASIN IS AT LOW LEVEL.

25X1D

(ATTACHMENT 4)

BONUS BOGATOYE FIXED FIELD MRBM LAUNCH SITE UR 5457N 02628E

THE SITE IS LOCATED 3.5 NM NORTH OF BOGATOYE AND  
20 NM SW OF POSTAVY LAUNCH AREA 3. IT CONSISTS

25X1

NPIC/R-419/64

OF 5 CLEARINGS EXTENDING AT RIGHT ANGLES TO AN ACCESS ROAD. A PROBABLE ERECTOR IS POSITIONED ON 4 OF THESE CLEARINGS, WHICH ARE ORIENTED ON AN AZIMUTH SIMILAR TO THAT OF THE POSTAVY MRBM SOFT SITES. A SECOND AREA IMMEDIATELY SOUTH CONSISTS OF 4 INTERCONNECTED CLEARINGS, EACH OCCUPIED BY OBJECTS OF VARYING SIZES. THIS AREA MAY BE EITHER SUPPORT OR A SECOND FIELD POSITION. THIS SITE WAS PRESENT ON [REDACTED] BUT NOT ON MISSION

25X1D

25X1D

25X1D [REDACTED]  
[REDACTED]

BONUS BOLSHAYA KAMENKA IRBM LAUNCH SITE UR 5145N 04541E

A HARD IRBM LAUNCH AREA UNDER CONSTRUCTION IS IDENTIFIED 2.5 NM WSW OF BOLSHAYA KAMENKA AND 18 NM NW OF SARATOV. THE LAUNCH SITE CONSISTS OF A LARGE IRREGULARLY-SHAPED EXCAVATION WITH ONE SILO POSITION ALMOST IDENTICAL TO THOSE OBSERVED UNDER CONSTRUCTION AT THE KALINK IRBM LAUNCH SITE. THE EXCAVATION IS OF SUFFICIENT SIZE TO ACCOMMODATE THE CONTROL BUNKER AND THE REAR SILO IF THE SITE IS TO HAVE THE TYPICAL IRBM SITE LAYOUT. THE EXCAVATION MUST BE ENLARGED TO ACCOMMODATE THE RIGHT FORWARD SILO. AT LEAST 4 CONSTRUCTION BUILDINGS ARE LOCATED ALONG THE PERIMETER OF THE EXCAVATION. AN UNIDENTIFIED INSTALLATION CONSISTING OF 2 BUILDINGS AND A SQUARE STRUCTURE WITH A CIRCULAR DARK OBJECT AT ITS CENTER IS APPROXIMATELY 1,250 FT SW. NINE BUILDINGS HAVE BEEN CONSTRUCTED IN THE SITE SUPPORT FACILITY AND A NUMBER OF PIPELINE TRENCHES ARE APPARENT. THE LAUNCH SITE WAS NOT PRESENT ON [REDACTED]

25X1D

25X1D

(SEE ATTACHMENT 5)  
[REDACTED]

BONUS PRAVDINSK FIXED FIELD MRBM LAUNCH SITE UR 5423N 02059E

THE FIXED FIELD SITE IS LOCATED 4 NM SOUTH OF PRAVDINSK AND 12 NM SW OF ZNAMENSK LAUNCH AREA 1 IN A WOODED AREA 2 NM NORTH OF THE POLISH BORDER. IT CONTAINS 3 ELONGATED DRIVE-THROUGH CLEARINGS ARRANGED IN A LINE AND ORIENTED IN A GENERAL SSW-NNE

25X1

DIRECTION. EACH CLEARING CONTAINS AN ERECTOR. TO THE EAST OF THE SITE AND ALONG THE ACCESS ROAD ARE SEVERAL CLEARINGS, POSSIBLY FORMER TENT SITES.

25X1D

BONUS RUDA YAVORSKAYA FIXED FLD MRBM LNCH SITE UR 5323N 02513E

THE FIXED FIELD SITE LOCATED 4.2 NM ESE OF RUDA YAVORSKAYA AND 9.8 NM SSW OF DYATLOVO MRBM LAUNCH AREA CONSISTS OF A LARGE LOOP ROAD PATTERN WITH 3 INTERNAL LINK ROADS. FOUR CIRCULAR CLEARINGS ARE ARRANGED ON THE ROAD PATTERN AND AT LEAST 3 CLEARINGS HAVE A LARGE OBJECT OFF TO ONE SIDE. FOUR LARGE FOUNDATIONS FOR PROBABLE READY TENTS ARE SITUATED IN A ROW JUST NE OF THE LARGE LOOP ROAD PATTERN. TWO ROWS OF SMALL RECTANGULAR CLEARED AREAS, PROBABLY FORMER TENT SITES, ARE LOCATED TO THE SOUTH. NO ERECTORS ARE OBSERVED IN THE CLEARINGS NOR ARE ANY VEHICLES DISCERNIBLE ON THE ROAD PATTERN.

25X1D

BONUS KIVERTSY FIXED FIELD MRBM LAUNCH SITE UR 5050N 02524E

THE SITE IS LOCATED 2 NM WEST OF KIVERTSY AND 5 NM SW OF KIVERTSY MRBM LAUNCH AREA 1.

THIS FIXED FIELD SITE COMPRISES 4 CIRCULAR CLEARINGS ARRANGED IN A ROW. THE ROADS THROUGH THE CLEARINGS ARE ORIENTED IN A NE/SW DIRECTION SIMILAR TO THE PAD ORIENTATION OF THE THREE NEARBY KIVERTSY LAUNCH SITES. A BUILDING IS ASSOCIATED WITH EACH OF THE 2 NORTHERN CLEARINGS AND AN UNIDENTIFIED OBJECT IS VISIBLE ON THE SOUTHERN CLEARING. NO TENT AREA OR VEHICLE DISCERNIBLE IN THE SITE AREA.

25X1D

25X1

**Air  
Facilities**



NPIC/R-419/64

AIR FACILITIES

25X1A

[REDACTED] KAZAN AIRFRAME PLANT GORBUNOV 22 UR 5552N 04907E

PLANT 22 IS COMPOSED OF ONE LARGE ASSEMBLY BUILDING, 2 HANGARS, AN ADMINISTRATION BUILDING, AND OTHER SUPPORT AND UTILITY BUILDINGS. NO CHANGES OBSERVED SINCE [REDACTED]

25X1D

AIRCRAFT -- 14 PROBABLE BLINDER, 7 POSSIBLE BADGER, AND 4 TWIN-ENGINE TRANSPORTS.

25X1D

[REDACTED]

25X1A

[REDACTED] KOMSOMOLSK AIRFRAME PLT ORDZHONIKIDZE 126 UR 5036N 13705E

25X1D

PLANT APPEARS ACTIVE. NEW CONSTRUCTION SINCE [REDACTED] CONSISTS OF A SMALL ADDITION TO AN ASSEMBLY BUILDING AND A LARGE AIRCRAFT SILHOUETTE PAINTED NEAR THE AIRFIELD RUNWAY. TWELVE PROBABLE FITTER, 5 PROBABLE FAGOT/FRESCO, AND 4 TRANSPORT AIRCRAFT ARE NEARBY. EIGHT PROBABLE FITTER, 29 FAGOT/FRESCO, AND ONE TRANSPORT AIRCRAFT ARE PARKED NEAR THE PLANT FORMERLY CALLED AIRFRAME PLANT 130, WHICH IS PROBABLY NOW PART OF PLANT 126.

[REDACTED]

25X1D

## **Nuclear Energy**

25X2

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**Biological/  
Chemical  
Warfare**

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25X2

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**Other  
Activity**

25X1B

OTHER ACTIVITY

[REDACTED]

25X1A

[REDACTED] CHAADAYEVKA SENSITIVE OPERATIONS COMPLEX UR 5307N 04602E

25X1D

NO APPARENT CHANGE IN RAIL FACILITIES SINCE  
[REDACTED] THE 3 VERY LARGE AND HEAVILY  
CONSTRUCTED CONCRETE BUILDINGS UNDER CONSTRUCTION IN  
EXCAVATIONS NEAREST THE RAIL FACILITY ARE NOT YET  
EARTH-COVERED. THEY RESEMBLE THOSE FIRST OBSERVED  
UNDER CONSTRUCTION AT CHEBSARA ON [REDACTED]  
ONE OTHER LARGE CONCRETE BUILDING IS UNDER  
CONSTRUCTION IN ONE OF THE TWO PREVIOUSLY-DESCRIBED  
EXCAVATIONS 4.5 NM NE OF THREE BUILDINGS. THE  
PREVIOUSLY-IDENTIFIED NEW ROAD SERVING THE NEW  
CONSTRUCTION PASSES UNDER THE PENZA-SYZRAN RAIL LINE  
IMMEDIATELY WEST OF STANTSIIA YELIYZAN. THE ROAD  
UNDERPASS WAS BUILT BETWEEN [REDACTED]

25X1D

25X1D

25X1D

[REDACTED]

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INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST, BY TARGET NUMBER, OF ALL COMOR TARGETS REVIEWED DURING THE SCAN OF MISSION 1006-2. THE ROMAN NUMERAL UNDER THE OAK COLUMN INDICATES THE PART OF OAK 1006-2 IN WHICH THE TARGET WAS REPORTED.

COMOR	25X1A	INSTALLATION NAME	CTY	COORDINATES	OAK
		YURYA ICBM COMPLEX	UR	5903N 04919E	I
		YOSHKAR-OLA ICBM COMPLEX	UR	5634N 04803E	II
		DROVYANAYA ICBM COMPLEX	UR	5132N 11301E	II
		KOSTROMA ICBM COMPLEX	UR	5746N 04101E	I
		PERM ICBM COMPLEX	UR	5742N 05619E	II
		GLADKAYA ICBM COMPLEX	UR	5605N 09213E	II
		BRATSK, SUSPECT SSM AREA	UR	5605N 10148E	I
		OLOVYANNAYA ICBM COMPLEX	UR	5048N 11550E	II
		KOVYLYKINO SUSPECT ICBM AREA	UR	5402N 04356E	II
		GVARDEYSK MRBM LAUNCH SITE 2	UR	5445N 02109E	II
		SLAVSK MRBM LAUNCH SITE 2	UR	5500N 02129E	II
		ZNAMENSK MRBM LAUNCH SITE 1	UR	5433N 02111E	II
		GUSEV MRBM LAUNCH SITE 1	UR	5441N 02205E	II
		OVRUCH MRBM LAUNCH SITE 1	UR	5117N 02816E	II
		KOROSTEN MRBM LAUNCH SITE 1	UR	5051N 02818E	II
		BALTA MRBM LAUNCH SITE 1	UR	4801N 02933E	II
		GRESK MRBM LAUNCH SITE 1	UR	5314N 02742E	II
		NEMAN MRBM LAUNCH SITE	UR	5501N 02211E	II
		KARA-BABAU IRBM LAUNCH SITE 2	UR	4431N 07758E	I
		AKHTYRKA MRBM LAUNCH SITE 1	UR	5015N 03450E	II
		ZHITOMIR MRBM LAUNCH SITE 1	UR	5004N 02816E	II
		LIPNIKI MRBM LAUNCH SITE	UR	5112N 02826E	II
		PETROVSKIY IRBM LAUNCH SITE	UR	5000N 05658E	I
		KOZHANOVICHI MRBM LAUNCH SITE 1	UR	5210N 02751E	II
		BERDICHEV MRBM LAUNCH SITE	UR	5005N 02822E	II
		URECHYE MRBM LAUNCH SITE	UR	5311N 02758E	II
		SKRUNDA IRBM LAUNCH SITE	UR	5635N 02149E	II
		KARAKHOBDA IRBM LAUNCH SITE	UR	4957N 05651E	I
		GRANOV IRBM LAUNCH SITE 2	UR	4849N 02929E	II
		OTYNYA MRBM LAUNCH SITE	UR	4847N 02450E	II
		RUDNYA ZLOTINSKAYA MRBM LAUNCH SITE	UR	5104N 02807E	II
		SOKAL MRBM LAUNCH SITE 3	UR	5020N 02426E	II
		LIELELEJA MRBM LAUNCH SITE	UR	5624N 02336E	I
		IECAVA MRBM LAUNCH SITE	UR	5633N 02420E	I
		VAINODE IRBM LAUNCH SITE	UR	5628N 02150E	II
		KALNIK IRBM LAUNCH SITE	UR	4859N 02922E	II
		KARA-BABAU IRBM LAUNCH SITE 3	UR	4431N 07743E	I



25X1

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POSTAVY MRBM LAUNCH SITE 2	UR	5506N 02700E	II
KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR	UR	4835N 04545E	II
SARY-SHAGAN ANTIMISSILE TEST CENTER	UR	4602N 07334E	II
MAKAT FIELD LAUNCH POINT (MRBM)	UR	4758N 05342E	II
SHUANG-CHENG-TZU MISSILE TEST CENTER	CH	4107N 10020E	II
EMBA MISSILE-ASSOCIATED INSTALLATION	UR	4835N 05804E	I
DNEPROPETROVSK MISSILE DEVELOP PROD CTR	UR	4826N 03459E	II
KRASNOYARSK EXPLOSIVES PLANT ZLOBINO	UR	5602N 09303E	II
KRASNOYARSK STATIC TEST STAND	UR	5605N 09327E	II
ZAPOROZHYE AIRCRAFT ENGINE PLANT 478	UR	4749N 03511E	II
SARATOV AIRFRAME PLANT 292	UR	5130N 04557E	II
STERLITAMAK PROB STATIC TEST FACILITY	UR	5344N 05558E	I
UFA PROBABLE STATIC TEST FACILITY	UR	5459N 05604E	I
PERM STATIC TEST FACILITY	UR	5758N 05549E	I

25X1

SEVERODVINSK NAVAL BASE AND SHIPYARD 402	UR	6434N 03949E	I
KOMSOMOLSK SHIPYARD AMUR 199	UR	5033N 13702E	II
KALININGRAD SUSP NAVAL MISSILE STORAGE	UR	5450N 02028E	I
ANTIPINSKOYE SAM ACTIVITY	UR	5254N 11332E	I
BRATSK, SUSPECT ABM AREA	UR	5654N 10030E	I
ASTRAKHAN POSSIBLE ABM RADAR	25X1D UR	4620N 04801E	I
KORDON SAM TRAINING CENTER	UR	4724N 04808E	I

25X1D

DOLON AIRFIELD	UR	5032N 07912E	I
ENGELS AIRFIELD	UR	5129N 04611E	I
SIAULIAI AIRFIELD	UR	5553N 02323E	I
BORZYA AIRFIELD NORTHWEST	25X1D UR	5024N 11623E	I
BARANOVICHI AIRFIELD	UR	5306N 02603E	I
MINSK/MACHULISHCHE AIRFIELD	UR	5347N 02734E	I
STRYY AIRFIELD	UR	4914N 02348E	I
KALININGRAD/PROVEREN AIRFIELD	UR	5446N 02025E	I
POLTAVA AIRFIELD	UR	4937N 03430E	I
ZHITOMIR/SKOMOROKHI AIRFIELD	UR	5010N 02844E	I
ANISOVO GORODISHCHE AIRFIELD	UR	5414N 03422E	I
MIRGOROD AIRFIELD	UR	4956N 03339E	I
KAZAN AIRFRAME PLANT GORBUNOV 22	UR	5552N 04907E	II
KOMSOMOLSK AIRFRAME PLT ORDZHONIKIDZE126	UR	5036N 13705E	II
ASTRAKHAN AIRFIELD NORTHWEST	UR	4625N 04755E	I

25X9

25X1

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25X1A

25X2

LIEPAJA NAVAL BASE AND SHIPYARD UR 5833N 02102E I  
KLAIPEDA NAVAL BASE & SHIPYARD UR 5542N 02108E I

YU-MEN, SUSPECT INSTRUMENTATION SITE CH 4017N 09712E I  
TUN-HUANG AREA, SUSPECT RADAR SITE CH 4015N 09430E I  
SHUANG-CHENG-TZU COMMUNICATIONS SITE CH 4207N 10103E I  
EMBA MISSILE TRACKING FACILITY UR 4836N 05809E I  
KRASNOVODSK COMPLEX UR 4000N 05300E I  
ZHUKOVKA SENSITIVE OPERATIONS COMPLEX UR 5329N 03352E I

CHAADAYEVKA SENSITIVE OPERATIONS COMPLEX UR 5307N 04002E I

25X2

25X1D